

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: Unassigned  
Examiner: Unassigned

In Re PATENT APPLICATION Of:

Applicants : Kuan-Yu LEE and Chen-Ho LEE )  
Serial No. : To Be Assigned )  
Filed : February 20, 2002 )  
For : CIRCUIT APPARATUS WITH )  
EXTENDING GENERAL )  
PURPOSE INPUT OUTPUT PIN )  
(As Amended) )  
Attorney Ref. : SUND 279 )

**PRELIMINARY  
AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the application as follows:

**IN THE TITLE**

Please amend the title to read:

-- CIRCUIT APPARATUS WITH EXTENDING GENERAL PURPOSE INPUT  
OUTPUT PIN--.

**IN THE SPECIFICATION**

Page 1, first paragraph, please delete entire paragraph and replace as follows:

--This application incorporates by reference applicants' Taiwan application Serial No.90119092, Filed on August 3, 2001.--


**REMARKS**

The title has been amended to correct a typographical error of the word "Purpose".  
Page 1, line 3 has been amended to correct an obvious error (see claim of priority in inventor declaration and at bottom of Transmittal sheet for filing the application).

Entry of the amendments and Examination of the amended application are respectfully requested.

Respectfully submitted,

February 20, 2002  
Date

  
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## CIRCUIT APPARATUS WITH EXTENDING GENERAL

PURPOSE ~~PROPOSE~~ INPUT OUTPUT PIN

*applicants' Taiwanese*

This application incorporates by reference Provisional application Serial No.90119092,

Filed on August 3, 2001.

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## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

[0001] The invention relates to a controlled circuit, and more particularly to a circuit apparatus with General Purpose Input Output pin.

### 10 2. Description of the Related Art

[0002] As the pace of progress in technology, the peripherals of computer systems tend to become multiple. In these years, multi media facility, which is for capturing sound and vision, is the most popular one in computer peripherals. Therefore, every manufacturer would cudgel brains to devise the most attractive products for consumers in order to contend  
15 for possession of the market in such a competing market of multi media facilities. Let's take a scanner as an example. Since being effective is what modern people concern, an easily operated, handy and convenient scanner must be more welcome by consumers than one with complex operating schedules. There would be high market value to devise an easy-operated scanner with multi functions.